0500

#2

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RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/092,750

DATE: 03/26/2002 P.5
TIME: 13:17:23

Input Set : A:\50036.050002:SEQLIST.TXT
Output Set: N:\CRF3\03262002\J092750.raw

```
 4 <110> APPLICANT: Hammond, Philip W.
 5         Alpin, Julia
 6         Wright, Martin C.
 8 <120> TITLE OF INVENTION: Polypeptides Interactive with BCL-Xl
11 <130> FILE REFERENCE: 50036/050002
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C--> 13 **<140> CURRENT APPLICATION NUMBER: US/10/092,750**
C--> 13 **<141> CURRENT FILING DATE: 2002-03-07**
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13 <150> PRIOR APPLICATION NUMBER: US 60/274,526
14 <151> PRIOR FILING DATE: 2001-03-08
16 <160> NUMBER OF SEQ ID NOS: 253
18 <170> SOFTWARE: FastSEQ for Windows Version 4.0
20 <210> SEQ ID NO: 1
21 <211> LENGTH: 35
22 <212> TYPE: PRT
23 <213> ORGANISM: Homo sapiens
25 <400> SEQUENCE: 1
26 Ala Ser Met Arg Gln Ala Glu Pro Ala Asp Met Arg Pro Glu Ile Trp
27 1               5                   10                  15
28 Ile Ala Gln Glu Leu Arg Arg Ile Gly Asp Glu Phe Asn Ala Tyr Tyr
29                 20                  25                  30
30 Ala Arg Glu
31         35
34 <210> SEQ ID NO: 2
35 <211> LENGTH: 18
36 <212> TYPE: PRT
37 <213> ORGANISM: Homo sapiens
39 <400> SEQUENCE: 2
40 Gly Gln Val Gly Arg Gln Leu Ala Ile Ile Gly Asp Asp Ile Asn Arg
41 1               5                   10                  15
42 Arg Lys
46 <210> SEQ ID NO: 3
47 <211> LENGTH: 32
48 <212> TYPE: PRT
49 <213> ORGANISM: Homo sapiens
51 <400> SEQUENCE: 3
52 Lys Leu Ser Glu Cys Leu Lys Arg Ile Gly Asp Glu Leu Asp Ser Asn
53 1               5                   10                  15
54 Met Glu Leu Gln Arg Met Ile Ala Ala Val Asp Thr Asp Ser Pro Arg
55                 20                  25                  30
58 <210> SEQ ID NO: 4
59 <211> LENGTH: 46
60 <212> TYPE: PRT
61 <213> ORGANISM: Homo sapiens
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file://C:\CRF3\Outbel\V...J092750 1

RAW SEQUENCE LISTING   DATE: 03/26/2002
PATENT APPLICATION: US/10/092,750   TIME: 13:17:23

Input Set : A:\50036.050002.SEQLIST.TXT
.Output Set: N:\CRF3\03262002\J092750.raw

```
63 <400> SEQUENCE: 4
64 Thr Gly Lys Glu Ala Ile Leu Arg Arg Leu Val Ala Leu Leu Glu Glu
65 1               5                   10                  15
66 Glu Ala Glu Val Ile Asn Gln Lys Leu Ala Ser Asp Pro Ala Leu Arg
67             20                  25                  30
68 Ser Lys Leu Val Arg Leu Ser Ser Asp Ser Phe Ala His Leu
69         35                  40                  45
72 <210> SEQ ID NO: 5
73 <211> LENGTH: 30
74 <212> TYPE: PRT
75 <213> ORGANISM: Homo sapiens
77 <400> SEQUENCE: 5
78 Gln Arg Gly Met Leu Tyr Tyr Gln Thr Glu Lys Tyr Asp Leu Ala Ile
79 1               5                   10                  15
80 Lys Asp Leu Lys Glu Ala Leu Ile Gln Leu Arg Gly Asn Asn
81             20                  25                  30
84 <210> SEQ ID NO: 6
85 <211> LENGTH: 38
86 <212> TYPE: PRT
87 <213> ORGANISM: Homo sapiens
89 <400> SEQUENCE: 6
90 Gly Gly Glu Ser Asp Thr Asp Pro His Phe Gln Asp Ala Leu Met Gln
91 1               5                   10                  15
92 Leu Ala Lys Ala Val Ala Ser Ala Ala Ala Ala Leu Val Leu Lys Ala
93             20                  25                  30
94 Lys Ser Val Ala Gln Arg
95         35
98 <210> SEQ ID NO: 7
99 <211> LENGTH: 35
100 <212> TYPE: PRT
101 <213> ORGANISM: Homo sapiens
103 <400> SEQUENCE: 7
104 Gly Thr Arg Gln Asp Arg Met Phe Glu Thr Met Ala Ile Glu Ile Glu
105 1               5                   10                  15
106 Gln Leu Leu Ala Arg Leu Thr Gly Val Asn Asp Lys Met Ala Glu Tyr
107             20                  25                  30
108 Thr Asn Ala
109         35
112 <210> SEQ ID NO: 8
113 <211> LENGTH: 33
114 <212> TYPE: PRT
115 <213> ORGANISM: Homo sapiens
117 <400> SEQUENCE: 8
118 Ala Val Gln Glu Asp Pro Val Gln Arg Glu Ile His Gln Asp Trp Ala
119 1               5                   10                  15
120 Asn Arg Glu Tyr Ile Glu Ile Ile Thr Ser Ser Ile Lys Lys Ile Ala
121             20                  25                  30
122 Asp
126 <210> SEQ ID NO: 9
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file://C:\CRF3\Output1\N...J092750.r

RAW SEQUENCE LISTING   DATE: 03/26/2002
PATENT APPLICATION: US/10/092,750   TIME: 13:17:23

Input Set : A:\50036.050002.SEQLIST.TXT
Output Set: N:\CRF3\03262002\J092750.raw

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127 <211> LENGTH: 33
128 <212> TYPE: PRT
129 <213> ORGANISM: Homo sapiens
131 <400> SEQUENCE: 9
132 Ala Thr Arg Gln Ala Leu Asn Glu Ile Ser Ala Arg His Ser Gly Ile
133  1               5                   10                  15
134 Gln Gln Leu Glu Arg Ser Ile Arg Glu Leu His Asp Ile Phe Thr Phe
135             20                  25                  30
136 Leu
140 <210> SEQ ID NO: 10
141 <211> LENGTH: 28
142 <212> TYPE: PRT
143 <213> ORGANISM: Homo sapiens
145 <400> SEQUENCE: 10
146 Met Phe Ser Asp Ile Tyr Gly Ile Arg Glu Ile Ala Asp Gly Leu Cys
147  1               5                   10                  15
148 Leu Glu Val Glu Gly Lys Met Val Ser Arg Pro Glu
149             20                  25
152 <210> SEQ ID NO: 11
153 <211> LENGTH: 25
154 <212> TYPE: PRT
155 <213> ORGANISM: Homo sapiens
157 <400> SEQUENCE: 11
158 Phe Trp Leu Glu Glu Arg Asp Phe Glu Ala Gly Val Phe Glu Leu Glu
159  1               5                   10                  15
160 Ala Ile Val Asn Ser Ile Lys Arg Ser
161             20                  25
164 <210> SEQ ID NO: 12
165 <211> LENGTH: 40
166 <212> TYPE: PRT
167 <213> ORGANISM: Homo sapiens
169 <400> SEQUENCE: 12
170 Met Lys Trp Asp Thr Asp Asn Thr Leu Gly Thr Glu Ile Ser Trp Glu
171  1               5                   10                  15
172 Asn Lys Leu Ala Glu Gly Leu Lys Leu Thr Leu Asp Thr Ile Phe Val
173             20                  25                  30
174 His His Val Leu His Ala Pro His
175             35                  40
178 <210> SEQ ID NO: 13
179 <211> LENGTH: 31
180 <212> TYPE: PRT
181 <213> ORGANISM: Homo sapiens
183 <400> SEQUENCE: 13
184 Arg Gly Ala Val Phe Ser Gln Asp Lys Asp Val Val Gln Glu Ala Thr
185  1               5                   10                  15
186 Lys Val Leu Arg Asn Ala Ala Asp Asn Phe Tyr Ile Asn Asp Arg
187             20                  25                  30
190 <210> SEQ ID NO: 14
191 <211> LENGTH: 33
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RAW SEQUENCE LISTING   DATE: 03/26/2002
PATENT APPLICATION: **US/10/092,750**   TIME: 13:17:23

Input Set : **A:\50036.050002.SEQLIST.TXT**
Output Set: **N:\CRF3\03262002\J092750.raw**

```
192 <212> TYPE: PRT
193 <213> ORGANISM: Homo sapiens
195 <400> SEQUENCE: 14
196 Thr Gly Thr Gly Ala Pro Arg Phe Ile Lys Glu Val Gln Glu Leu Asn
197 1               5                   10                  15
198 Ser Ala Leu His Gln Ser Asp Leu Ile Asp Ile Tyr Arg Thr Leu His
199             20                  25                  30
200 Pro
204 <210> SEQ ID NO: 15
205 <211> LENGTH: 20
206 <212> TYPE: PRT
207 <213> ORGANISM: Homo sapiens
209 <400> SEQUENCE: 15
210 Ser Asn Glu Leu Thr Arg Ala Val Glu Glu Leu His Lys Leu Leu Lys
211 1               5                   10                  15
212 Glu Ala Arg Glu
213             20
216 <210> SEQ ID NO: 16
217 <211> LENGTH: 33
218 <212> TYPE: PRT
219 <213> ORGANISM: Homo sapiens
221 <400> SEQUENCE: 16
222 Thr Tyr Trp Asn Leu Leu Pro Pro Lys Arg Pro Ile Lys Glu Val Leu
223 1               5                   10                  15
224 Thr Asp Ile Phe Ala Lys Val Leu Glu Lys Gly Trp Val Asp Ser Arg
225             20                  25                  30
226 Ser
230 <210> SEQ ID NO: 17
231 <211> LENGTH: 19
232 <212> TYPE: PRT
233 <213> ORGANISM: Homo sapiens
235 <400> SEQUENCE: 17
236 Leu Phe Thr Ile Leu Leu Thr Leu Trp Thr Met Arg Cys Ser Ser Thr
237 1               5                   10                  15
238 Pro Ser Gly
242 <210> SEQ ID NO: 18
243 <211> LENGTH: 28
244 <212> TYPE: PRT
245 <213> ORGANISM: Homo sapiens
247 <400> SEQUENCE: 18
248 Ala Gly Glu Asp Met Glu Ile Ser Val Lys Glu Leu Arg Thr Ile Leu
249 1               5                   10                  15
250 Asn Arg Ile Ile Ser Lys His Lys Asp Leu Arg Thr
251             20                  25
254 <210> SEQ ID NO: 19
255 <211> LENGTH: 26
256 <212> TYPE: PRT
257 <213> ORGANISM: Homo sapiens
259 <400> SEQUENCE: 19
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RAW SEQUENCE LISTING   DATE: 03/26/2002
PATENT APPLICATION: US/10/092,750   TIME: 13:17:23

Input Set : A:\50036.050002.SEQLIST.TXT
Output Set: N:\CRF3\03262002\J092750.raw

```
260 Gly Leu Arg Glu Glu Ser Glu Glu Tyr Met Ala Ala Ala Asp Glu Tyr
261 1               5                   10                  15
262 Asn Arg Leu Lys Gln Val Lys Gln Pro Ala
263             20                  25
266 <210> SEQ ID NO: 20
267 <211> LENGTH: 67
268 <212> TYPE: PRT
269 <213> ORGANISM: Homo sapiens
271 <220> FEATURE:
272 <221> NAME/KEY: VARIANT
273 <222> LOCATION: 58, 62, 65
274 <223> OTHER INFORMATION: Xaa = Any Amino Acid
276 <400> SEQUENCE: 20
277 Lys Gly Ile Ile Ser Arg Leu Met Ser Val Glu Glu Glu Leu Lys Arg
278 1               5                   10                  15
279 Asp His Ala Glu Met Gln Ala Gly Cys Gly Leu Gln Thr Glu Asp His
280             20                  25                  30
281 Leu Met Pro Arg Arg Ser Ala Phe Ala Ser Leu Asp Ala Val Asn Ala
282             35                  40                  45
W--> 283 Arg Leu Met Ser Ala Leu Thr Pro Ala Xaa Arg Tyr Val Xaa His Cys
284             50                  55                  60
W--> 285 Xaa Pro Leu
286 65
289 <210> SEQ ID NO: 21
290 <211> LENGTH: 26
291 <212> TYPE: PRT
292 <213> ORGANISM: Homo sapiens
294 <400> SEQUENCE: 21
295 Trp Glu Arg Ile Glu Glu Arg Leu Ala Tyr Ile Ala Asp His Leu Gly
296 1               5                   10                  15
297 Phe Ser Trp Thr Glu Leu Ala Arg Ala Leu
298             20                  25
301 <210> SEQ ID NO: 22
302 <211> LENGTH: 27
303 <212> TYPE: PRT
304 <213> ORGANISM: Homo sapiens
306 <400> SEQUENCE: 22
307 Ala Arg Gly Asp Phe Ala Gln Ala Ala Gln Gln Leu Trp Leu Ala Leu
308 1               5                   10                  15
309 Arg Ala Leu Gly Arg Pro Leu Pro Thr Ser His
310             20                  25
313 <210> SEQ ID NO: 23
314 <211> LENGTH: 30
315 <212> TYPE: PRT
316 <213> ORGANISM: Homo sapiens
318 <400> SEQUENCE: 23
319 Gly Ser Ser Lys Asp Leu Ala Lys His Ile Gln Val Val Cys Asp Gly
320 1               5                   10                  15
321 Met Asp Leu Thr Pro Lys Ile His Asp Leu Lys Pro Gln Cys
```

Use of n and / or Xaa has been detected in the
Sequence Listing. Review the Sequence Listing
to ensure a corresponding explanation is present
in the <220> to <223> fields of each sequence
using n or Xaa.

VERIFICATION SUMMARY   DATE: 03/26/2002
PATENT APPLICATION: **US/10/092,750**   TIME: 13:17:24

Input Set : **A:\50036.050002.SEQLIST.TXT**
Output Set: **N:\CRF3\03262002\J092750.raw**

```
L:13 M:270 C: Current Application Number differs, Replaced Current Application No
L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:283 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20
L:285 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20
L:1168 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:95
L:1194 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:97
L:1207 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:98
L:1224 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:99
L:1351 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:111
L:1353 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:111
L:1554 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:130
L:1569 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:131
L:1654 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:139
L:1678 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:141
L:1726 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:145
L:1741 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:146
L:1756 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:147
```